

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

June 30, 2007

JK

TO: Internal File

THRU: Pamela Grubaugh-Littig, Permit Supervisor *PL*

FROM: James D. Smith, Environmental Scientist *JS 07/01/07*

RE: 2007 First Quarter Water Monitoring, CO-OP Mining Company, Bear Canyon Mine, C/015/0025

The monitoring plan is described on pages 7-48 through 7-60A of the MRP. It includes Tables 7-12 through 7-17.

1. **Were data submitted for all of the MRP required sites?**

In-mine

YES ☒ NO ☐

SBC-I t has not been not accessible since early January 2003 because of a roof fall in the Hiawatha workings of Mine #1. SBC-9A replaced SBC-I 1 for monitoring water in this section of the #1 Mine; however, additional roof falls made Mine #1, including SBC-9A, inaccessible. The pipe that carries the water out of the mine to the culinary water supply is now the location for water quality and quantity monitoring, and SBC-9A has been retained as the name for this sampling site.

Springs

YES ☒ NO ☐

Streams

YES ☒ NO ☐

Streams were frozen or dry during the first quarter 2007.

UPDES

YES ☒ NO ☐

UTG040006-004 discharged on March 31, 2007; otherwise, there were no UPDES discharges or samples.

DMR parameters that are not included in the operational parameter lists in the MRP - such as sanitary wastes, visible foam, and floating solids - are not reported in the electronic submittal to the Division. Operational monitoring values are reported for UPDES flow, TDS, TSS, pH, and total iron.

Wells YES ☒ NO ☐

No wells are scheduled for monitoring during the first quarter.

2. Were all required parameters reported for each site?

In-mine YES ☒ NO ☐

Springs YES ☒ NO ☐

Streams YES ☒ NO ☐

Streams were frozen or dry during the first quarter 2007.

UPDES YES ☒ NO ☐

UTG040006-004 discharged on March 31, 2007; otherwise, there were no UPDES discharges or samples.

Wells YES ☒ NO ☐

No wells are scheduled for monitoring during the first quarter.

3. Were any irregularities found in the data?

Listed parameters were outside two standard deviations.

In-mine YES ☐ NO ☒

Springs YES ☒ NO ☐

SBC-3 February: water temperature and pH. (SBC-3 is monitored as a spring, although it is really a shallow well. The water was too shallow to do field parameters or collect a sample. These two parameters, along with specific conductivity were reported

as 0 (zero). The standard deviation on specific conductivity is so broad that it includes 0 $\mu\text{mhos/cm.}$)

Streams

YES ☐ NO ☒

UPDES

YES ☒ NO ☐

UTG040006-004: March 31: total alkalinity.

Wells

YES ☐ NO ☒

4. On what date does the MRP require a five-year resampling of baseline water data.

Baseline parameters are to be taken in August of year 5 prior to each permit renewal (Table 7.I -8). Baseline parameters were measured August 2000 and included with the Third Quarter 2000 data submittal. Baseline parameters were to have been determined in August 2005, but they were missed and an NOV was issued. To abate the NOV, baseline Analyses are to be done on samples collected in August 2006.

5. Based on your review, what further actions, if any, do you recommend?

None.

6. Does the Mine Operator need to submit more information to fulfill this quarter's monitoring requirements?

YES ☐ NO ☒

7. Follow-up from last quarter, if necessary.

None.

8. Did the Mine Operator submit all the missing and/or irregular data (datum)?

NA